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From: Michelle Turner for Michael J.

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Please find attached for filing in connection with application no. 10/020,414, entitled ADAPTIVE ROUTING PROCESS BY DEFLECTION WITH TRAINING BY REINFORCEMENT, the following documents:

- * Issue Fee Transmittal (1 page in duplicate)
- * Statement Under 37 CFR 3.73(b) and copy of Power of Attorney and Patent License Agreement (10 pages)
- * Assignment Recordation Cover Sheet and copy of Patent License Agreement (8 pages).

Thank you,

Michelle Turner for Michael J. Willardson

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- Issue Fee Transmittal (1 page in duplicate)
- Statement Under 37 CFR 3.73(b) and copy of Power of Attorney and Patent License Agreement (10 pages)
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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Commissariat A L'Energie AtomiqueApplication No./Patent No./Control No.: 10/020,414 Filed/Issue Date: 12/18/2001Entitled: ADAPTIVE ROUTING PROCESS BY DEFLECTION WITH TRAINING BY REINFORCEMENTCommissariat A L'Energie Atomique

(Name of Assignee)

a French Public Agency

(Type of Assignee: corporation, partnership, university, government agency, etc.)

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2. ☐ an assignee of less than the entire right, title and interest
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[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

Michael J. Willardson, Reg. No. 50,856

Printed or Typed Name

Attorney at Law

Title

Date

5/8/06
503.439.6500

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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With this submission, Commissariat A L'Energie Atomique ("Assignee") hereby does not revoke any previous powers of attorney given in any patent applications assigned to Assignee according to the USPTO assignment records (or assignment documents attached to this form in accordance with 37 CFR 3.73(b)). Assignee understands that execution of this document is required by the patent laws in order for the attorneys listed below to correspond with the patent office in the aforementioned patent applications and that this document does not create an attorney - client relationship with the practitioners listed below.

Commissariat A L'Energie Atomique
31-33 rue de la Federation
75015 Paris, France



_____ hereby appoints the practitioners associated

with the Customer Number :

00043813

as attorney(s) or agent(s) to represent

Commissariat A L'Energie Atomique

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| Name | Registration No. |
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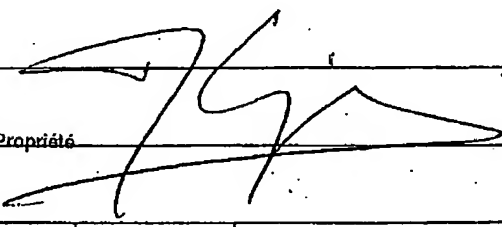
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Commissariat A L'Energie Atomique

is the:

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

| SIGNATURE on behalf of Applicant or Assignee of Record | | | |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------|
| Name | Marc Cuzin | | |
| Signature |  Marc CUZIN Chef du Service Accords et Propriété Industrielle | | |
| Title | | | |
| Date | Jay 4 th , 2006 | Telephone | +33.4.38.78.41.33 |

CEA (ref: L6277)

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XANTIMA LLO

PATENT LICENSE AGREEMENT**BETWEEN:**

XANTIMA LLO, a Nevada limited liability company having an office at 2215-B Renaissance Drive,
Suite 5, Las Vegas, Nevada 89119

Hereinafter referred to as "Licensee"

AND:

THE COMMISSARIAT A L'ENERGIE ATOMIQUE, a French public agency, having its principal
registered office at 81-98 rue de la Federation, 75016 Paris, France, represented by M. Bernard
Barbier, Director of the LETI (Laboratory of Electronics and Information Technologies of CEA)

Hereinafter referred to as "CEA"

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[illegible]

PAGE 12/22 * RCVD AT 5/8/2006 7:28:32 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/28 * DNIS:2738300 * CSID:503-439-6558 * DURATION (mm-ss):13-34

EXHIBIT A-1

Patent Rights To Be granted on an exclusive basis

| Patent Reference | Country | Application Number | Date | Publication Number | Patent Number | Status | Date |
|---------------------|---------------------|-----------------------|------------|-----------------------|------------------|------------------|--------------------------|
| PP1502 | US | 00/188544 | 05/10/1998 | 2770059 | 6847412 | granted | 12/02/2002 |
| | FR | 9713239 | 22/07/1997 | | 9718289 | granted | 19/11/1999 |
| | EP (DE GB IT) | 98402807/0 | 20/10/1998 | | 017209 | granted | 22/12/2004 |
| PP1503 | US | 00/188542 | 05/10/1998 | 2770060 | 6849109 | granted | 19/02/2002 |
| | FR | 9713239 | 22/10/1997 | | 9718289 | granted | 19/11/1999 |
| | EP (DE GB IT) | 98402806/2 | 20/10/1998 | | 017209 | published | 19/06/1999 |
| PP1504 | US | 00/188543 | 05/10/1998 | 2770059 | 6835947 | granted | 01/01/2002 |
| | FR | 9713237 | 22/10/1997 | | 9718287 | granted | 19/11/1999 |
| | EP (DE GB IT) | 98402805/1 | 20/10/1998 | | 011891 | granted | 22/12/2004 |
| PP1719 | US | 00/268919 | 12/08/1999 | 2778999 | 6114919 | granted | 02/07/2002 |
| | FR | 9903586 | 24/03/1999 | | 9903586 | granted | 06/05/2000 |
| | EP (DE GB IT) OA | 99400700/3 2208610 | 22/03/1999 | | 945998 | granted filed | 19/05/2005 24/11/2003 |
| PP1816 | US | 00/393298 | 10/09/1999 | 2788987 | 6921856 | granted | 18/09/2003 |
| | FR | 9911886 | 11/09/1999 | | 1109/1999 | published | 31/03/2000 |
| | EP (DE GB IT) | 99402221/6 | 09/09/1999 | | 990129 | published | 15/03/2000 |
| PP1905 | US | 00/698872 | 21/08/2000 | 2795009 | 6518300 | granted | 11/02/2004 |
| | FR | 9908476 | 01/07/1999 | | 9908476 | granted | 17/03/2001 |
| | EP (DE GB IT) | 00401657/6 | 29/08/2000 | | 1095797 | published | 08/01/2004 |
| PP2117 | US | 10/020414 | 10/12/2001 | 2008-146111 | 0018929 | published | 31/07/2003 |
| | FR | 0018929 | 22/12/2000 | | | granted | 31/01/2003 |
| | EP (DE GB IT) | 01403917/9 | 20/12/2001 | | | published | 20/03/2002 |
| PP2222 | US | 10/412105 | 11/04/2003 | 2004-52308 | 204518 | published | 18/03/2004 |
| | FR | 204518 | 12/04/2002 | | | granted | 21/05/2004 |
| | EP | 03100970/7 | 10/04/2003 | | | published | 18/03/2004 |
| | JP | 2003/185948 | 10/04/2003 | | | published | 07/11/2003 |

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EXHIBIT A-2

Patent Rights To Be granted on a non-exclusive basis

| Patent Reference | Country | Application Number | Date | Publication Number | Patent Number | Status | Date |
|---------------------|---------------------|-----------------------|------------|-----------------------|------------------|-----------|------------|
| PP1804 | US | 10/102484 | 00/01/2001 | 2003-161907 | | published | 28/00/2003 |
| | WO | 01/00204 | 00/01/2001 | 01/50037 | | expired | 00/00/2000 |
| | FR | 1104 | 01/01/2000 | 2004560 | | published | 03/00/2001 |
| | EP (DE GB IT) | 01004001/2 | 00/01/2001 | | 1262722 | granted | 28/05/2004 |
| PP1104 | US | 10/060447 | 27/12/2001 | 2004-0047915 | | published | 08/11/2004 |
| | WO | 01/04218 | 27/12/2001 | 02/064811 | | expired | 27/00/2000 |
| | FR | 17285 | 10/12/2000 | 2010125 | 17285 | granted | 02/04/2004 |
| | EP | 01008868/7 | 27/12/2001 | 1904009 | | published | 24/09/2003 |
| PP1107 | US | 08/747262 | 12/11/1998 | | 5700085 | granted | 26/05/1999 |
| | FR | 9514822 | 04/12/1998 | | 9514822 | granted | 08/01/1999 |
| | OA | 2101651 | 20/11/1998 | | | abandoned | 11/25/2000 |
| | EP (DE GB IT) | | | | 770677 | granted | 14/08/2002 |
| PP1604 | US | 08/080260 | 07/11/1997 | | 5003584 | granted | 06/10/1999 |
| | FR | 9014071 | 29/11/1998 | | 9014071 | granted | 00/01/1999 |
| | EP (DE GB IT) | 07402085/8 | 27/11/1997 | | 845887 | published | 03/06/1998 |
| | | | | | | | |
| PP1838 | US | 10/030160 | 28/07/2000 | | | filed | 20/07/2000 |
| | WO | 00/02177 | 28/07/2000 | 01/10051 | | expired | 28/03/2003 |
| | FR | 9808947 | 30/07/1999 | 2707122 | | published | 02/02/2001 |
| | EP (DE GB IT NL) | 00950844/7 | 28/07/2000 | 1198888 | | published | 24/04/2002 |
| PP2034 | US | 10/049489 | 13/08/2001 | 20020186285 | | published | 13/02/2004 |
| | WO | 01/01028 | 13/06/2001 | 01/07898 | | expired | 18/12/2004 |
| | FR | 007681 | 14/05/2000 | 2810477 | 007681 | granted | 26/07/2002 |
| | EP (DE GB IT NL) | 01045412/3 | 13/08/2001 | 1290808 | | published | 12/03/2003 |
| PP2005 | US | 10/460816 | 27/12/2001 | 20040022800 | | published | 02/05/2004 |
| | WO | 01/04214 | 27/12/2001 | 02/064812 | | expired | 27/08/2004 |
| | FR | 17206 | 28/12/2000 | 2810126 | 17206 | granted | 21/03/2008 |
| | EP | 01008668/5 | 27/12/2001 | 1848480 | | published | 24/09/2008 |
| PP1778 | US | 09/701891 | 02/06/1999 | | | filed | 02/06/1999 |
| | WO | 98/01207 | 02/06/1999 | 98/03878 | | expired | 02/02/2000 |
| | FR | 98 09052 | 03/08/1998 | 2 779 500 | 1084535 | abandoned | 09/04/2008 |
| | EP (FR DE ES GB IT) | 88023648/2 | 02/08/1998 | | 1084535 | abandoned | 19/10/2000 |
| PP1873 | US | 08/638511 | 30/03/2000 | | | granted | 04/12/2002 |
| | FR | 9904172 | 02/04/1999 | 2701841 | | granted | 13/01/2004 |
| | EP (DE GB IT) | 00400877/7 | 00/03/2000 | | 9904172 | granted | 11/05/2001 |
| | | | | | 1041730 | granted | 26/02/2004 |
| PP1897 | US | 08/095883 | 20/06/2000 | | | filed | 20/06/2000 |
| | FR | 9808908 | 28/05/1998 | 2795084 | 9808908 | granted | 05/10/2001 |
| | EP (DE GB IT) | 00401818/4 | 26/08/2000 | | 1065849 | granted | 09/04/2003 |
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| PP2051 | US | 08/635648 | 24/08/2001 | | | filed | 24/08/2001 |
| | FR | 0010801 | 28/08/2000 | 2813474 | 0010801 | granted | 13/12/2002 |
| | EP (DE GB IT) | 01402228/0 | 24/08/2001 | 1104888 | | published | 03/03/2002 |
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